AMENDMENTS TO THE CLAIMS:

Please amend the claims as follows:

1.   (Currently Amended) Method for the testing of substrates ~~(1)~~ provided with a predetermined pattern, comprising

~~in which~~ optically defining an actual pattern ~~(1a)~~, applied to a substrate ~~(1)~~ by ~~means of~~ a printing or structuring process ~~(3, 4), is optically detected (6)~~,

comparing the optically detected actual pattern ~~(1a) is compared (8)~~ with a desired pattern,

in dependence upon the comparison ~~(8)~~ and taking into account permissible tolerances, ~~it is determined~~ determining ~~to which~~ a further process to which the observed substrate ~~(1)~~ provided with the actual pattern ~~(1a)~~ is to be delivered,

~~characterized~~

~~in that~~ effecting the optical detection ~~(8)~~ of the actual pattern ~~(1a) is effected~~ in the form of digital data ~~with the formation of~~ and forming an actual data set ~~(7)~~,

~~in that~~ formatting a desired data set ~~is formatted (2)~~ from control data for the application of the pattern onto the substrates, and

~~in that~~ carrying out data processing ~~is carried out to the effect that~~ by comparing the desired data set and the actual data set ~~are compared (8)~~ datawise with one another taking into account permissible tolerances.

2.   (Currently Amended) Method according to claim 1,

~~characterized~~

~~in that the application of~~ comprising applying the pattern onto the substrates ~~(1) is effected~~ by ~~means of~~ a process employing a correspondingly constituted template, and

9

in that formatting the desired data set is formatted (2) from the control data (4) employed for producing the template.

3.   (Currently Amended) Method according to claim 1 or 2,

characterized in that, comprising

testing selected sections (1a₁, 1a₂, 1a₃, 1a₄) of the desired pattern are subjected to the testing (8).

4.   (Currently Amended) Method according to any of claims claim 1 to 3,

characterized in that, comprising associating

different tolerance data subsets are associated with various sections (1a₁, 1a₂, 1a₃, 1a₄) of the desired pattern.

5.   (Currently Amended) Method according to any of claims claim 1 to 4,

characterized in that, comprising carrying out

data processing (5) can be carried out to the effect that there is effected an by editing of the respective data sets with regard to the sections to be compared (1a₁, 1a₂, 1a₃, 1a₄) and/or the associated tolerances.

6.   (Currently Amended) Method according to any of claims claim 1 to 5,

characterized in that, comprising effecting

the optical detection (6) is effected pixel-wise by means of a digital camera.

7.   (Currently Amended) Method according to claim 6,

~~characterized in that,~~

~~for the optical detection (6) there is effected a~~ <u>comprising effecting</u> relative movement

between the digital camera and the substrate carrying the actual pattern <u>for optical detection</u>.

8.   (Currently Amended) Method according to claim 7,

~~characterized it that,~~ <u>wherein</u>

the digital camera is a linear camera one pixel wide, the length of which corresponds

to one linear dimension of the region of the actual pattern on the substrate to be tested, and

<u>comprising effecting</u> the relative movement ~~is effected~~ with a step size of one pixel

perpendicularly to the one linear dimension.

9.   (Currently Amended) Method according to claim 8,

~~characterized in that,~~ <u>wherein</u>

the linear camera ~~is formed by means of~~ <u>comprises</u> linear sub-cameras arranged in a

staggered manner.

10.   (Currently Amended) Method according to ~~any of claims~~ <u>claim</u> 1 ~~to 9,~~

~~characterized in that,~~ <u>wherein</u>

the substrate ~~(1)~~, on which the actual pattern ~~(1a)~~ to be tested is applied, itself already

carries at least one other pattern, and <u>comprising constituting or carrying out</u> the optical

detection ~~is so constituted or so carried out~~ <u>so</u> that it discriminates the actual pattern to be

tested with respect to the other pattern and the substrate.

11.   (Currently Amended) Arrangement for the testing of substrates ~~(1)~~ provided with a predetermined pattern ~~having,~~ comprising

an opto-electronic arrangement ~~(6)~~ for ~~the detection of~~ detecting an actual pattern ~~(1a)~~ applied to the substrate ~~(1)~~ by ~~means of~~ a printing or structuring process ~~(3, 4)~~,

a comparator ~~(8) which compares~~ for comparing the optically detected actual pattern ~~(1a)~~ with a desired pattern and in dependence upon the comparison and taking into account permissible tolerances ~~determines to which~~ determining a further process to which the observed substrate ~~(1)~~ provided with the actual pattern ~~(1a)~~ is to be delivered,

~~characterized~~

~~in that~~ a converter ~~(7) converts~~ for converting the pattern detected by the opto-electronic arrangement ~~(6)~~ into an actual data set in the form of digital data, and

~~in that~~ a ~~formatting means (2) formats~~ formatter to format a desired data set from control data for the application of the pattern onto the substrates ~~(3, 4)~~, wherein

~~in that~~ the comparator ~~(8) carries out data processing to the effect that~~ carrying out the desired data set and the actual data set ~~are compared~~ datawise with one another taking into account permissible tolerances.

12.   (Currently Amended) Arrangement according to claim 11,

~~characterized~~

~~in that the application of~~ a correspondingly constituted template for applying the pattern onto the substrates ~~(1) is effected by means of a process employing a correspondingly constituted template (4), and~~

~~in that the formatting means (2) formats the desired data set from the control data employed for the production of the template.~~

12

13. - 15. (Canceled)

16. (Currently Amended) Arrangement according to ~~any of claims~~ claim 11 ~~to 15,~~

~~characterized in that,~~ comprising a digital camera for effecting

the optical detection ~~(6) is effected~~ pixel-wise ~~by means of a digital camera.~~

17. (Currently Amended) Arrangement according to claim 16,

~~characterized in that,~~

~~for the optical detection there is effected a relative movement between~~ wherein the

digital camera ~~(6) and~~ can move relative to the substrate carrying the actual pattern for optical

detection.

18. (Currently Amended) Arrangement according to claim 17,

~~characterized it that,~~ wherein

the digital camera ~~(6)~~ is a linear camera one pixel wide, the length of which

corresponds to one linear dimension of the region of the actual pattern on the substrate to be

tested, and the relative movement ~~is~~ can be effected with a step size of one pixel

perpendicularly to the one linear dimension.

19. (Currently Amended) Arrangement according to claim 18,

~~characterized in that,~~ wherein

the linear camera ~~is formed by means of~~ comprising linear sub-cameras arranged in a

staggered manner.

20.   (Currently Amended) Arrangement according to ~~any of claims~~ <u>claim</u> 11 ~~to 19,~~ ~~characterized in that,~~ <u>wherein</u>

the substrate ~~(1)~~, on which the actual pattern ~~(1a)~~ to be tested is applied, itself already carries at least one other pattern and the optical detection ~~is~~ <u>can be</u> so constituted or so carried out that it discriminates the actual pattern ~~(1a)~~ to be tested with respect to the other pattern and the substrate.

21.   (Currently Amended) ~~Application of the method~~ <u>Method</u> according to ~~any of~~ ~~claims~~ <u>claim</u> 2 ~~to 10, or use of the arrangement according to any of claims 12 to 20 for the~~ <u>comprising</u> testing ~~of~~ the template for faults arising in the course of use.

22.   (New) Method according to claim 4, comprising carrying out data processing by editing the respective data sets with regard to the associated tolerances.